

## CLAIMS


That which is claimed:     /

1.     A method, comprising:  
  
          receiving a plurality of keystrokes associated with an application;  
  
          processing each keystroke to determine an associated action forming a plurality of  
associated actions; and  
  
          determining an event based at least in part on the plurality of associated actions.
2.     The method of claim 1, further comprising determining an application in focus.
3.     The method of claim 1, further comprising determining that the plurality of  
associated actions forms a word or words and wherein the event is a number of words.
4.     The method of claim 3, wherein the word or words are determined at least in part  
by the receipt of at least one keystroke indicating a space or a punctuation symbol.
5.     The method of claim 1, further comprising determining that the plurality of  
associated actions form a character or characters and wherein the event is a number of  
characters.

6. The method of claim 1, further comprising updating a capture state after each keystroke is processed.
7. The method of claim 1, further comprising updating a current user state based at least in part on the event.
8. The method of claim 1, further comprising indexing and storing the event.
9. The method of claim 1, wherein each associated action is determined at least in part by matching the keystroke to an entry in a keystroke table and determining an action in the keystroke table associated with the entry.
10. The method of claim 9, wherein the action comprises one of adding a character to a word, deleting a character from a word, inserting a character, overwriting a character, deleting a word, deleting a paragraph, selecting an item, and repositioning the cursor.
11. The method of claim 1, wherein the keystroke table is associated with the application.
12. The method of claim 1, wherein the keystroke table is a generic keystroke table.

13. A method, comprising: /  
receiving a plurality of keystrokes associated with an application;  
determining an event based on user input; and  
determining whether to index the event.
14. The method of claim 13, wherein user input is one or more of a number of words determined from the plurality of keystrokes, a number of characters determined from the plurality of keystrokes, and a change in focus from the application to another application.
15. The method of claim 13, wherein whether to index the event comprises determining whether the event is important to the user.
16. A method, comprising: /  
receiving a plurality of display calls associated with an application;  
processing the plurality of display calls to determine a display; and  
determining an event based at least in part on the display.
17. The method of claim 16, further comprising determining an application in focus.
18. The method of claim 16, further comprising determining that the display includes a word or words and wherein the event is a number of words.

19. The method of claim 16, further comprising updating a capture state after each display call is processed.
20. The method of claim 16, further comprising updating a current user state based at least in part on the event.
21. The method of claim 16, further comprising determining whether to index the event.
22. The method of claim 16, further comprising indexing and storing the event.
23. The method of claim 16, wherein the display is determined at least in part by using an array of a current state of the display and updating the array with the display call.
24. The method of claim 16, wherein the display is determined at least in part by constructing display items based at least in part on display positions of the display calls.
25. The method of claim 16, wherein processing the plurality of display calls to determine a display comprises analyzing one or more of the x,y coordinates, lengths, and relative positions of a plurality of items written to the display using display calls.

26. A computer-readable medium containing program code, comprising:   
program code for receiving a plurality of keystrokes associated with an application;  
program code for processing each keystroke to determine an associated action forming a plurality of associated actions; and  
program code for determining an event based at least in part on the plurality of associated actions.
27. The computer-readable medium of claim 26, further comprising program code for determining an application in focus.
28. The computer-readable medium of claim 26, further comprising program code for determining that the plurality of associated actions forms a word or words and wherein the event is a number of words.
29. The computer-readable medium of claim 28, wherein the word or words are determined at least in part by the receipt of a keystroke indicating a space or a punctuation symbol.
30. The computer-readable medium of claim 26, further comprising program code for determining that the plurality of associated actions form a character or characters and wherein the event is a number of characters.

31. The computer-readable medium of claim 26, further comprising program code for updating a capture state after each keystroke is processed.

32. The computer-readable medium of claim 26, further comprising program code for updating a current user state based at least in part on the event.

33. The computer-readable medium of claim 26, further comprising program code for indexing and storing the event.

34. The computer-readable medium of claim 26, wherein each associated action is determined at least in part by matching the keystroke to an entry in a keystroke table and determining an action in the keystroke table associated with the entry.

35. The computer-readable medium of claim 34, wherein the action comprises one of adding a character to a word, deleting a character from a word, inserting a character, overwriting a character, deleting a word, deleting a paragraph, selecting an item, and repositioning the cursor.

36. The computer-readable medium of claim 26, wherein the keystroke table is associated with the application.

37. The computer-readable medium of claim 26, wherein the keystroke table is a generic keystroke table.
38. A computer-readable medium containing program code, comprising: /  
program code for receiving a plurality of keystrokes associated with an application;  
program code for determining an event based on user input; and  
program code for determining whether to index the event.
39. The computer-readable medium of claim 38, wherein user input is one or more of a number of words determined from the plurality of keystrokes, a number of characters determined from the plurality of keystrokes, and a change in focus from the application to another application.
40. The computer-readable medium of claim 38, wherein whether to index the event comprises determining whether the event is important to the user.
41. A computer-readable medium containing program code, comprising: /  
program code for receiving a plurality of display calls associated with an application;  
program code for processing the plurality of display calls to determine a display;  
and

program code for determining an event based at least in part on the display.

42. The computer-readable medium of claim 41, further comprising program code for determining an application in focus.

43. The computer-readable medium of claim 41, further comprising program code for determining that the display includes a word or words and wherein the event is a number of words.

44. The computer-readable medium of claim 41, further comprising program code for updating a capture state after each display call is processed.

45. The computer-readable medium of claim 41, further comprising program code for updating a current user state based at least in part on the event.

46. The computer-readable medium of claim 41, further comprising program code for determining whether to index the event.

47. The computer-readable medium of claim 41, further comprising program code for indexing and storing the event.



48. The computer-readable medium of claim 41, wherein the display is determined at least in part by using an array of a current state of the display and updating the array with the display call.

49. The computer-readable medium of claim 41, wherein the display is determined at least in part by constructing display items based at least in part on display positions of the display calls.

50. The computer-readable medium of claim 41, wherein processing the plurality of display calls to determine a display comprises analyzing one or more of the x,y coordinates, lengths, and relative positions of a plurality of items written to the display using display calls.

51. A method, comprising: ✓  
determining an application in focus;  
receiving a plurality of keystrokes associated with the application;  
processing each keystroke to determine an associated action forming a plurality of associated actions;  
determining that the plurality of associated actions forms a word or words;  
determining an event based at least in part on the plurality of associated actions,  
wherein the event is a number of words;  
determining whether to index the event; and

indexing and storing the event if it is determined to index the event.